

MAGELLAN

750 VEHICLE NAVIGATION & DRIVER INFORMATION SYSTEMS

USER MANUAL



750NAV™
Vehicle Navigation Made Simple

MAGELLAN
DRIVER INFORMATION SYSTEMS™

Welcome to the world of the Magellan 750NAV driving experience. Using GPS (Global Positioning System) satellites and patented VIP™ (Vehicle Independent Positioning), the 750NAV determines the best destination route, with supporting reliable visual and audio cues. The 750NAV offers easier traveling for users and increased productivity for the professional on the road.

The Magellan 750NAV is designed for ease of installation, only requiring one ground and two power connections. No vehicle speed sensor, reverse lights or any other electrical connection is needed; allowing an experienced do-it-yourselfer to install the 750NAV system. **HOWEVER, PROFESSIONAL INSTALLATION OF THE 750NAV BY AN AUTHORIZED DEALER IS STRONGLY RECOMMENDED.** If installed by the user, please refer to the installation section in this manual and read all the directions first, then carefully follow them step-by-step. For technical assistance, please contact our **Customer Service Department at 1-877-4-CARNAV (1-877-422-7628).**

The 750NAV features a powerful routing and guidance system, with audio and visual prompts to provide the experience and pleasure of Driving Made Simple.



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IMPORTANT INFORMATION



This symbol is intended to alert the user of important operating instructions. Failure to follow the instructions could result in personal injury or material damage.

TIP

This symbol indicates information, which can be helpful in the use of the 750NAV vehicle navigation system.

SAFETY WARNINGS

The Magellan 750NAV system is a navigational aid to assist in arriving at a selected destination. These safety rules **MUST** be followed to help prevent accidents while driving.



The unit should be programmed only by passengers in the vehicle or by the driver while the vehicle is stopped.



While driving, the need to view the display is not necessary. Voice prompts will guide the user to the selected destination.



DO NOT place the display where it can obstruct an airbag or any other vehicle safety devices.



DO NOT place the display in a location where it is not secure.



It is the responsibility of the driver to ensure compliance with all traffic laws. Disregard any unsafe, hazardous, or illegal route suggestions.

PRECAUTIONS

- **DO NOT** expose the 750NAV to damp locations or any type of fluids.
- **DO NOT** paint the GPS Antenna, this could interfere with GPS signal reception.
- **DO NOT** extend, pinch, cut, or bend the antenna cable at a sharp 90° angle or less, this will cause intermittent or complete GPS signal loss
- **DO NOT** permanently mount the GPS antenna anywhere on the vehicle (use the magnet mount or J-Clip provided).
- Magellan **DOES NOT** recommend drilling holes through the car body to route the antenna cable.
- Magellan **DOES NOT** recommend installing the OIM cable without easy access to the connection for simple repair or replacement of the OIM.

DISCLAIMERS

The Global Positioning System (GPS) is controlled, maintained, and operated by the United States Department of Defense. Civilian use of this system is subject to this control, changes to this system will affect all GPS products.

While every attempt is made to ensure that the 750NAV database is accurate at the time of delivery, roadways, points of interest, and addresses may change over time.

The Magellan 750NAV system is designed to provide accurate navigation data under a variety of conditions. GPS satellite signals **may** be reached through glass and plastic, **but not metal**. While driving the vehicle under normal conditions, possible interference could include tree-covered roads, downtown areas between tall buildings, inside tunnels and parking structures. For continued problems with GPS signal loss, refer to the Troubleshooting Guide on page xx or call **Magellan Customer Service at 1-877-4-CARNAV (1-877-422-7628)**.

GENERAL INFORMATION

HOW GLOBAL POSITIONING SYSTEMS (GPS) WORK



The vehicle GPS System Antenna receives signals from 24 satellites orbiting the earth. The vehicle navigation system processes these signals along with other sensor information from the vehicle, to determine the vehicle's location.

MAGELLAN 750NAV MAP INFORMATION

The Magellan 750NAV has an extensive network of road information and points of interest, which include restaurants, banks, and many other places where you may want to go. The information for the United States is divided into nine Map Areas, as shown on page xx. Each Magellan 750NAV comes standard with the use of one of these Map Areas. Other Map Areas may be added to the Magellan 750NAV as a purchased option. Call **Magellan Customer Service toll free at 1-877-4CAR-NAV** for more information.

The Magellan 750NAV has detailed mapping, Street Address, and Points of Interest (POI) information for various metropolitan areas throughout the country. This is referred to as detailed coverage. **When outside of a detailed covered metropolitan area**, use the "City Center" from the Points of Interest menu. General guidance is then possible **by using interstate highways, state, and some county roads**. **Street Address guidance is not possible when outside of a detailed coverage area.**

USING THE MAGELLAN 750NAV

The location of the vehicle is shown on the Display (OIM), which also has a keypad for entering information. The OIM has a detachable bracket for hand held use. To detach the OIM, pull out from the bottom and lift up from the mounting bracket.




Normally, the Computer Docking Station (CDS) is attached to the vehicle, as shown in the Installation Guide. To install the Computer System Module (CSM), simply slide it into the CDS until the front edge of the CSM lines up with the front edge of the CDS. Press in the red lock button to latch the CSM in place. If the lock button does not push in, then the CSM is not seated properly. To remove the CSM from the CDS, pull out on the red lock button until the latch releases, and slide out the CSM.

750NAV TECHNOLOGY

Using internal sensors, Map-Matching technology, and the Global Positioning System (GPS) satellites, the Magellan 750NAV will find the vehicles current location accurately. Turn-by-Turn route guidance will give directions when to turn and which direction to turn, by providing both visual and audio directions.

Magellan's exclusive VIP™ (Vehicle Independent Positioning) technology provides feedback regarding vehicle speed and direction to an on board navigation computer that calculates a route. VIP technology dramatically improves GPS accuracy and even serves as a backup in the unlikely event of short GPS signal loss. This technology eliminates the need to splice into the vehicle speed sensor or other sensor wires, allowing less installation time than other Vehicle Navigation Systems.

750/NAV KEY COMPONENTS

	Display
	Docking Station
	Navigation Computer
	GPS Antenna

FEATURES

OFF ROAD NAVIGATION

Off Road Navigation provides latitude and longitude positioning and heading information. Allows you to set waypoints and route back to them and/or leave a breadcrumb trail to follow back, just like Magellan's hand-held GPS products. A sensor is included to measure the vehicle's pitch and roll readings while driving across or up steep inclines.

ROUTE EXCLUDE

This feature allows the user to eliminate roads from the maneuver list to bypass toll roads and problems such as, traffic jams, construction zones, or other road obstructions.

TRANSPORTABILITY

This exclusive feature from Magellan allows the system to be easily moved between 3 different vehicle's which have the 750NAV Optional Install Kit installed. In addition, with the optional Magellan 750NAV Mobility Kit, the user can use the 750NAV in any vehicle. This kit is available from your authorized Magellan Dealer.

QUICKSPELL™

This patented technology provides a fast, simple way to input addresses. Select any letter, number, or character on the QuickSpell screen in just three keystrokes or less.

DISPLAY OVERVIEW

Direction to Destination

Distance to Destination

Estimated Time to Destination

Distance to Next Maneuver

Direction and Signal Strength

*Shows current direction; color
Indicates GPS signal strength:*

Green = strong signal

Yellow = weak signal

Red = no signal

Brightness/Contrast

*Adjusts screen brightness;
Push in and turn to adjust
Contrast*

Volume/Last Message Repeat

*Adjust voice volume; push in to
repeat last message*

Option

Press for User or Setup menus

Pwr

Turn display on and off

View

*Switch from Map display to
Select Destination, TrueView™,
Exit Authority (Interstate only) and
Maneuver List*

Cancel

Stops current operation, moves back one menu level

Locate

Press for current location and nearest cross streets

8-Way Arrow Button

Moves cursor left, right, up, down and diagonally

Enter

Used to input choices

+ And – Buttons

Allows you to zoom the Map in and out

- = Zoom in

+ = Zoom out



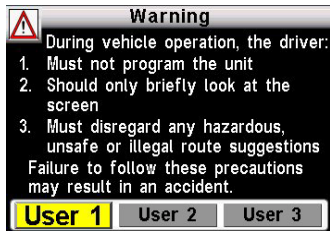
GETTING STARTED



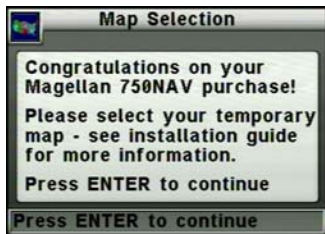
Always read and follow all safety instructions.



Turn on the Magellan 750NAV by pressing the **PWR** button. This screen should appear. When the ball finishes rotating the next screen will appear.



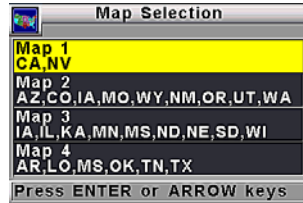
Warning screen with User Selections at the bottom. Use the right or left arrows on the **8-Way Arrow** button on the OIM to select a User. Press the **ENTER** button to select. Once the User selection has been made or after thirty seconds, a Map Selection screen will appear.



Press **ENTER** to continue.

TEMPORARY MAP SELECTION

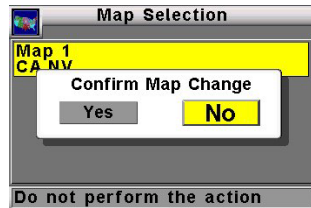
Step 1:



Press the **Down Arrow** on the **8-Way Arrow** button to select desired temporary map area.

Press the **ENTER** button.

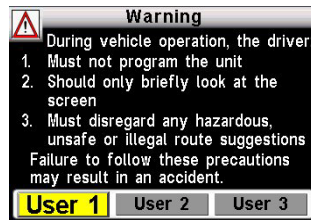
Step 2:



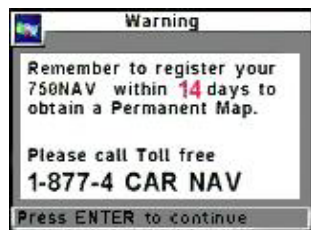
Press the **Left Arrow** on the **8-Way Arrow** button for YES to confirm Map change.

Press the **ENTER** button.

To select a different Map area,
Press **ENTER** for NO and repeat Step 1.



Warning screen with User Selections at the bottom. Use the right or left arrows on the **8-Way Arrow** button to select a User, then press the **ENTER** button for selection. Once the User selection has been made or after thirty seconds, a Warning screen will



Press **ENTER** to continue.

NOTE: If the 750NAV is not registered within the time span shown on this screen, the system mapping will not be accessible. Refer to page **XX for product registration.**

MAIN MENUS

SELECT DESTINATION MENU

Restaurants, Airports, Hotels
Stores, Police, City Centers



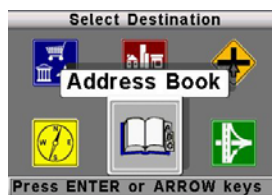
Enter destination address



Enter closest intersection
to destination



Enter Waypoints, etc...



Store up to 100 addresses



Enter closest Freeway Exit
or Entrance to destination

USER OPTION MENU

Press the **OPTION** button to get the User Option Menu shown below. Use the **CANCEL** button to return to Select Destination Menu above.

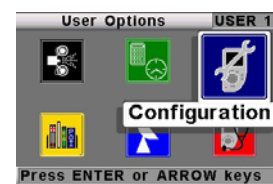
Illustrates the basic features
of the 750NAV.



Keeps track of time, miles,
speed and trip information.



Allows the user to set
system parameters.



View businesses located
along interstate highways
or within cities that have
detailed coverage.



This feature is not available
at this time.



Contains information about
system initialization,
calibration and test
parameters.

PRODUCT DEMONSTRATION

Running the “Product Demo” will show you how to plan a typical route.



Press the **OPTION** button.



Press the **Left Arrow** on the **8-Way Arrow** button.



Press the **ENTER** button.



Press the **ENTER** button.

You can exit the product demonstration at any time by pressing the **CANCEL** button.

TIP

The **CANCEL** button will always return you to the previous screen. It's a great way to start over if you make a mistake.

TIP

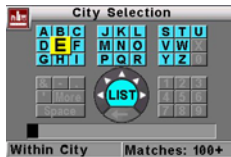
Holding the CANCEL button down for two seconds will return you to the Main Menu.

QuickSpell

The QuickSpell screen is designed, to minimize the number of keypad presses. Any letter in the alphabet, number, character or space can be selected in three key strokes or less by pressing the arrowheads on the **8-Way Arrow** button then the **ENTER** button. In the center of the screen there is a circle with arrows that represent the arrows on the **8-Way Arrow** button.



Each of the five blue blocks on the screen can be accessed, using the arrow that points to that block.



After pressing an arrow, the yellow cursor will jump to the center character of the corresponding blue block.



If other than the center character is needed, press the arrow which will move the yellow cursor in the direction of the character needed.



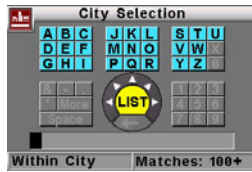
Press the **ENTER** button to move that character to the bottom of the screen.

As letters are entered, the list automatically sorts to show only the cities that begin with the selected letters. When there are only a small number of cities remaining the list will be displayed.



To backspace after making a mistake, highlight the Back Arrow underneath the **LIST** icon in the center of the screen.

Press the **ENTER** button.



To bypass the QuickSpell function, highlight **LIST** in the center of the screen.

Press the **ENTER** button.



Scroll down the list using the Down Arrow on the **8-Way Arrow** button to highlight the desired city.

Press the **ENTER** button.

TIP

Using the **Right Arrow** skips down to the next letter in the alphabet. Using the **Left Arrow** skips up to the next letter.

TIP

The previous ten cities that have been routed will appear at the top of the list. For quick access, press the **ENTER** button at the **LIST** icon.

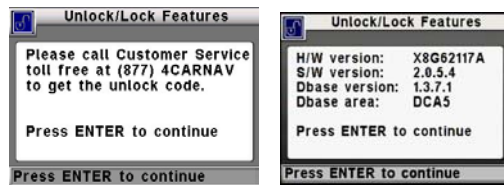
SETUP & CONFIGURATION OF YOUR 750_{NAV} SYSTEM

Product Registration / Map Unlock

To register the system and unlock the desired Map Areas, call Magellan Customer Service Dept. toll free at 877-4CARNAV (877-422-7628) and be prepared to give the following information:

- If registering a 750_{NAV} system, locate the serial numbers inside the Black Vinyl Document Holder on a white sticker.
- If registering the 750_M, locate the serial numbers on the back of the 750_M Installation & Reference Addendum.
- Year, make, and model of vehicle the 750_{NAV} system is installed.

If registering a 750_{NAV} system please call Customer Service from the vehicle the system is installed.



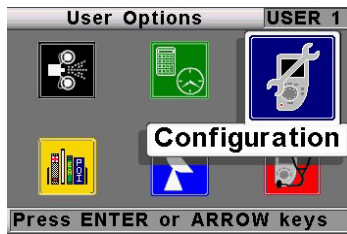
Address Book



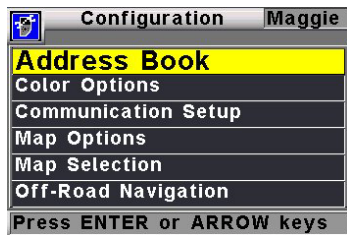
Press the **OPTION** button.



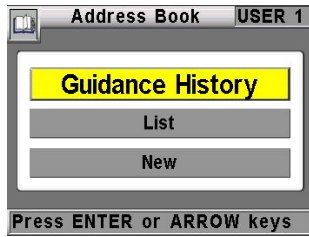
Press the Left Arrow on the 8-Way button.



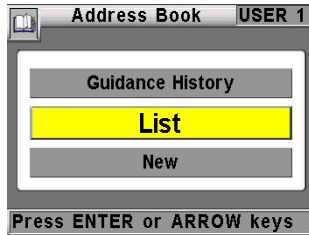
Press the **ENTER** button.



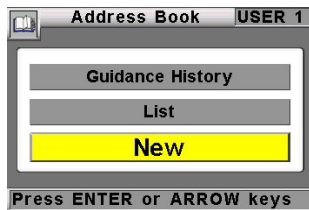
Press the **ENTER** button.



List the last ten addresses you routed to.



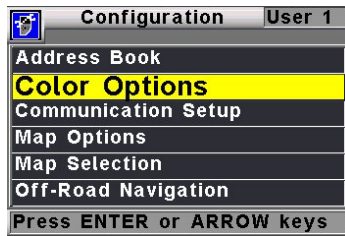
List the addresses you have stored.



Allows you to enter and store up to 100 addresses.

Use the Down Arrow to select New and press the ENTER button to enter an address you want saved in your address book. Use the List to verify your entry. Remember you can store up to 100 addresses.

Color Options

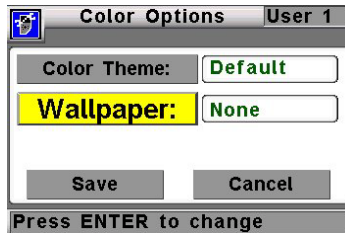


Use the **Down Arrow** to select Color Options.

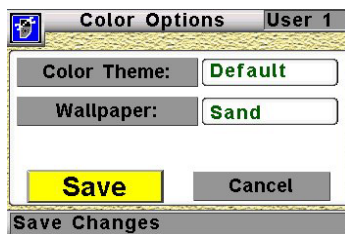
Press the **ENTER** button.



The Color Theme is Default only. Use the Down Arrow to select Wallpaper.



Use the ENTER button to select either sand, canvas or none for your background wallpaper.



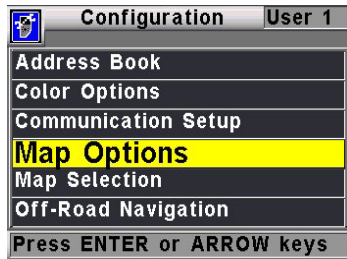
Use the Down Arrow to select Save Wallpaper selection or Cancel.

Press the ENTER button.

Communication Setup

Option not available at this time.

Map Options



Use the **Down Arrow** to select Map Options.

Press the **ENTER** button.



Change the way guidance is displayed on the map screen by selecting Map and pressing the **ENTER** button to select Smart, Always or Manual. Use the **8-Way Arrow** and **ENTER** button to select and activate the other features on the screen. Highlight Save then press the **ENTER** button to save your settings.

Map Smart automatically changes the display from map view to the 3D True View graphics before each maneuver.

Map Always shows only the map view with the highlighted route.

Map Manual allows you to select the map view or 3D True View graphic by pressing the **VIEW** button.

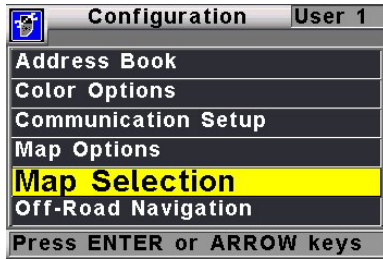
Heading Up sets the Map Display so the direction of travel is always toward the top of the screen. When the checkbox is not selected, the display will set with North at the top of the screen.

Auto Map allows the system to switch automatically from one DCA Map area to another when driving cross country.

Scrolling Map will keep the Vehicle icon positioned in the center of the screen while the map scrolls underneath. When the checkbox is not selected the Vehicle icon will move up the screen until it nears the top edge then the map and vehicle icon will move to the bottom of the screen and start up again.

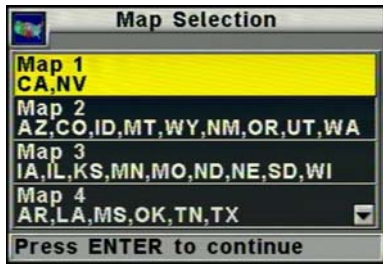
You can also set your distance readings in either Miles or Kilometers.

Map Selection



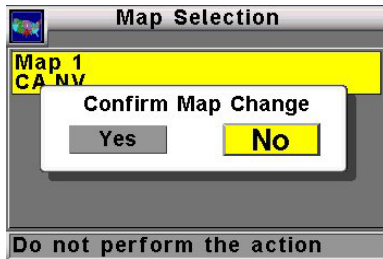
Use the **Down Arrow** to select Map Selection.

Press the **ENTER** button.



Use the **Down Arrow** to highlight the Map Area you are currently located in.

Press the **ENTER** button.



Use the **Left Arrow** to select Yes for map change confirmation.

Press the **ENTER** button.

If this Map Area is not desired then press the **ENTER** button on No then select another Map Area.



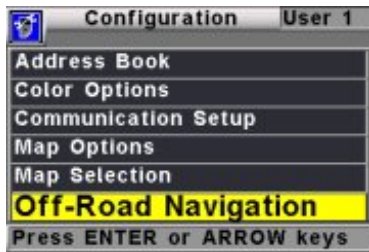
After this screen is displayed the system will shut down then power back up in the new Map Area.

Option Menu Features

To access the Off-Road Option menu features, press the **OPTION** button. Select the Configuration icon, press **ENTER**.



Select Off-Road Navigation, press **ENTER**.



Track On

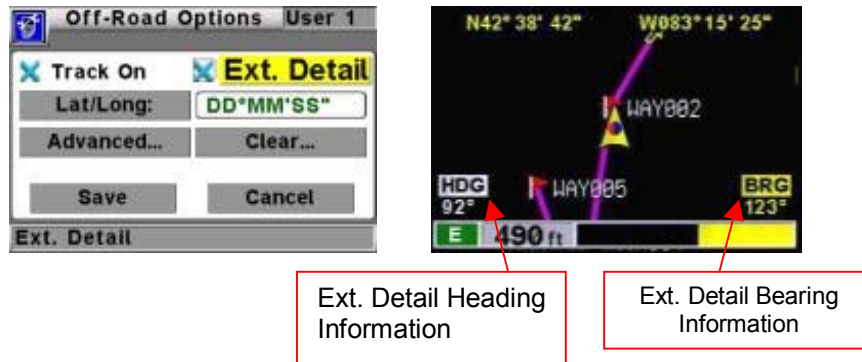
The tracking feature may be used to “backtrack” the vehicle’s route. The “Breadcrumb Trail” left on the map display will be in the form of a blue dashed line. Leaving the user a route to follow back to the point of origin. The blue track will remain on the map display until cleared from the systems memory. See page 7 for instructions on clearing Track History.

To turn this feature on or off just highlight Track On in the Off-Road options menu and press **ENTER**. When the color of the **X** changes to blue, tracking is turned on.



Ext. Detail

The Extended Detail feature will display heading and bearing information on the map screen. To turn this feature on or off simply highlight Ext. Detail in the Off-Road options menu and press **ENTER**. When the color of the **X** changes to blue the feature is on.



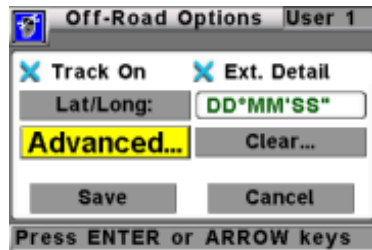
Lat/Long

Press **ENTER** on Lat/Long to change the format for the latitude and longitude coordinates.



Advanced

Press **ENTER** on Advanced to access Arrival or XTE Alarm setup.



The XTE Alarm is the cross track error alarm. While in route guidance mode, the XTE Alarm will chime when you are off track by the selected distance. The distance is adjustable between off and 1 mile. Or from off to 1.5 kilometers, if using the metric system.

Press **ENTER** on XTE Alarm to adjust the distance for the cross track error.

The screenshot shows a menu titled "Off-Road Advanced" with a small icon in the top left corner. It contains two settings: "XTE Alarm:" with a value of "250 ft" and "Arrival Alarm:" with a value of "100 ft". Both values are in green text. Below the settings are two buttons: "Save" and "Cancel". At the bottom of the menu, it says "Press ENTER or ARROW keys".

The Arrival Alarm will chime after driving past each waypoint and upon arrival to the final waypoint in a route. The arrival alarm distance is adjustable from 100 feet to 1 mile. Or from 30 meters to 1.5 kilometers, if using the metric system.

To adjust the distance for the Arrival Alarm, press **ENTER** on Arrival Alarm.

This screenshot is similar to the previous one, but the "Arrival Alarm:" setting is now highlighted in yellow. The "XTE Alarm:" setting remains at "250 ft". The "Save" and "Cancel" buttons are still present at the bottom, along with the instruction "Press ENTER or ARROW keys".

After changing the XTE or Arrival Alarms scroll to save and press **ENTER**.

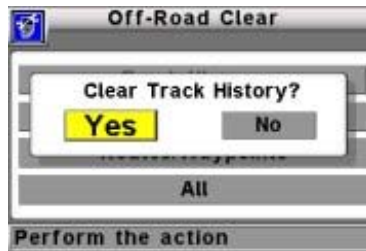
This screenshot shows the "Off-Road Advanced" menu with both "XTE Alarm:" and "Arrival Alarm:" settings at their default values of "250 ft" and "100 ft" respectively. The "Save" button is now highlighted in yellow, and the instruction at the bottom has changed to "Save Changes".

Clear

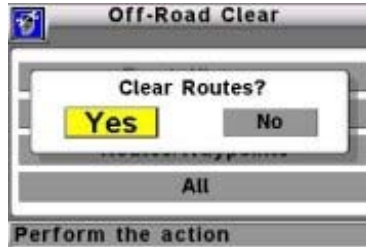
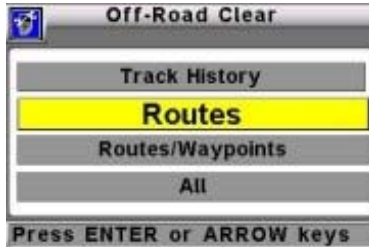
The Clear feature will generate an Off-Road Clear list. From this screen Track History, Routes, or Routes/Waypoints can be cleared from the systems memory. To generate the clear list, press **ENTER** on Clear.



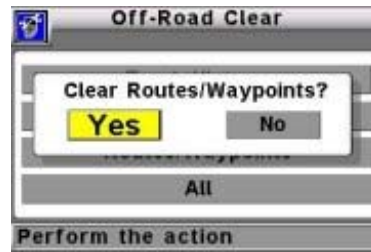
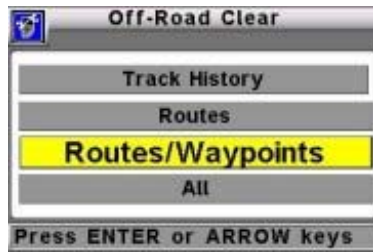
Pressing **ENTER** on Track History will prompt the user with a yes or no to clear Track History.



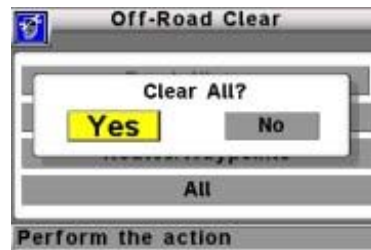
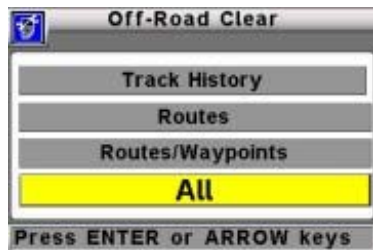
Pressing **ENTER** on Routes will prompt the user with a yes or no to clear Routes.



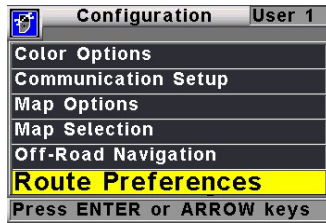
Pressing **ENTER** on Routes/Waypoints will prompt the user with a Yes or No to clear Routes and Waypoints.



Pressing **ENTER** on All will prompt the user with a Yes or No to clear All of the Track History, Routes, and Waypoints.

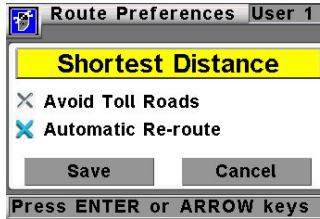
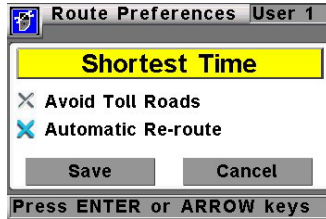


Route Preferences

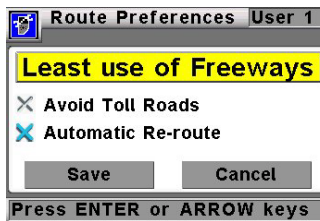
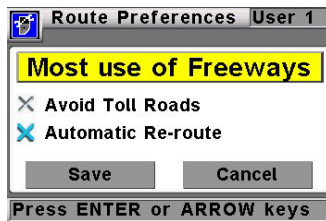


Use the **Down Arrow** and scroll to Route Preferences.

Press the **ENTER** button.



Highlighting the top row and pressing the **ENTER** button will allow you to select any of the four Route Preferences shown on the left.



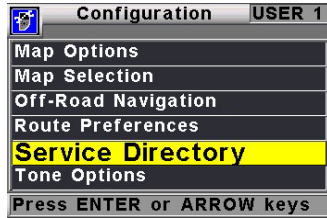
Use the **Up-Down Arrows** to highlight Avoid Toll Roads or Automatic Re-route then press the **ENTER** button to select or deselect these features.

Selecting Avoid Toll Roads will automatically eliminate all toll roads from the Route Preference used to calculate a route. Not selecting or Deselecting Avoid Toll Roads in Route Preference will include all toll roads.

Selecting Automatic Re-route will automatically calculate a new route when you leave the current calculated route. Not selecting or Deselecting Automatic Re-route will force you to manually request a new route calculation.

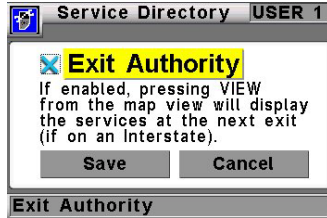
Using the **8-Way Arrow** button highlight Save and press the **ENTER** button to save your preferences.

Service Directory

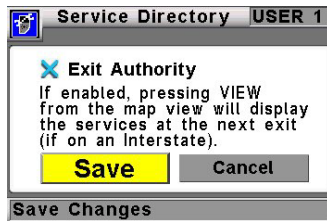


Use the **Down Arrow** and scroll to Service Directory.

Press the **ENTER** button.



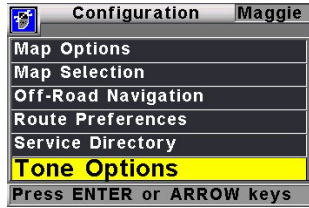
Use the ENTER button to select or deselect the Exit Authority feature.



Use the 8-Way Arrow button to either Save or Cancel your selection.

Selecting Exit Authority will allow you to view what services are available at an Freeway Exit. Such as Gas Stations, Restaurants, Hotels & Motels, ATM's, Hospitals, Police Departments, R.V. Camps, Truck Service, Car Service and Rest Areas.

Tone Options



Use the **Down Arrow** and scroll to Tone Options.

Press the **ENTER** button.



Use the 8-Way Arrow button to select the tone you prefer.

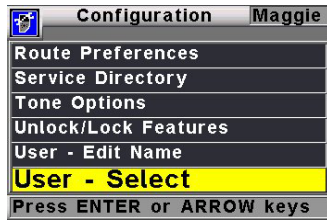
Press the ENTER button.



Use the 8-Way Arrow button to either Save or Cancel your selection.

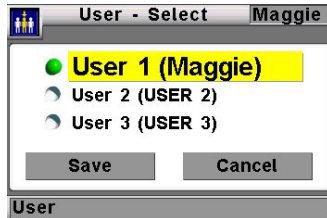
As you are navigating, the Alert Tone sounds as you approach a turn or destination. By selecting Tone Options you can choose the type of tone you want to hear.

User – Select



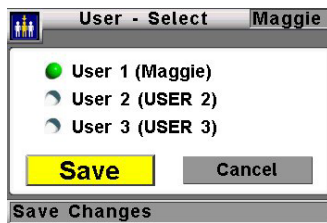
Use the **Down Arrow** and scroll to User - Select.

Press the **ENTER** button.



Use the 8-Way Arrow button to select one of three users.

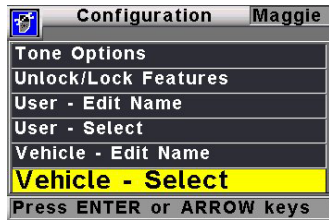
Press the **ENTER** button.



Use the 8-Way Arrow button to either Save or Cancel your selection.

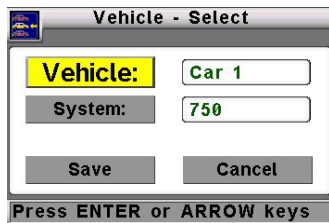
Each one of the three User's can have the 750NAV system configured to their personal preferences.

Vehicle – Select

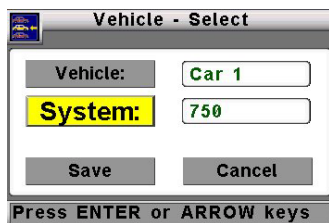


Use the **Down Arrow** and scroll to User - Select.

Press the **ENTER** button.

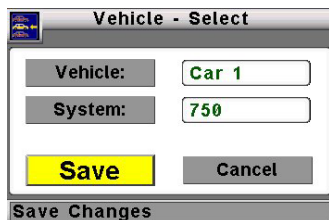


Pressing the ENTER button while Vehicle is highlighted will allow you to select one of three vehicles.



Use the **Down Arrow** to select System. Pressing the ENTER button will allow you to select the type of 750 system you are using. (750_{NAV}, 750_M)

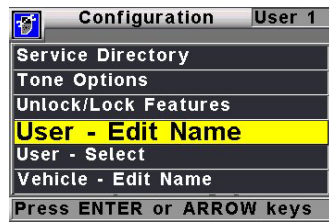
Press the **ENTER** button.



Use the **8-Way Arrow** button to either Save or Cancel your selection.

User – Edit Name

Before editing a users name you must first select the user name you want to edit from the User - Select option.



Use the **Down Arrow** and scroll to User – Edit Name.

Press the **ENTER** button.

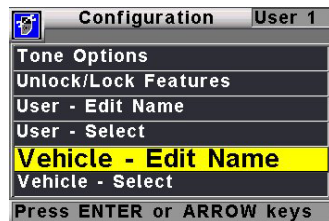


Use the QuickSpell feature to enter the user name of your choice. The User name can be up to six characters, no more.

Press the **ENTER** button to save name change.

Vehicle – Edit Name

Before editing a vehicle name you must first select the vehicle name you want to edit from the Vehicle - Select option.



Use the **Down Arrow** and scroll to Vehicle – Edit Name.

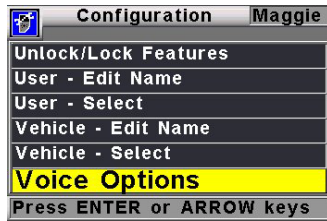
Press the **ENTER** button.



Use the QuickSpell feature to enter the vehicle name of your choice. The User name can be up to six characters, no more.

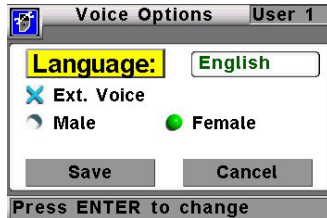
Press the **ENTER** button to save name change.

Voice Options

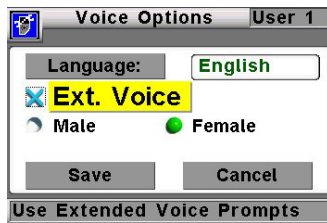


Use the **Down Arrow** and scroll to Voice Options.

Press the **ENTER** button.



Pressing the **ENTER** button while Language is highlighted will allow you to select one of seven languages.



Use the ENTER button to select or deselect the Extended Voice feature. This feature allows voice prompts during menu selections.



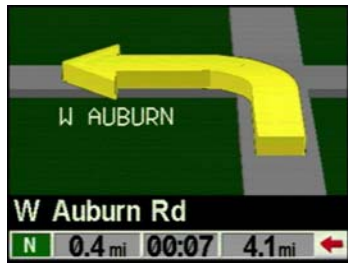
Use the **8-Way Arrow** button to select Male or female voice.



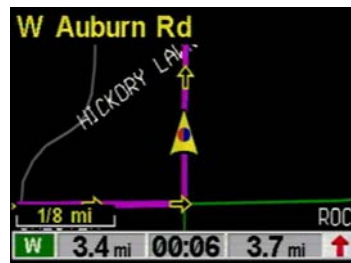
Use the **8-Way Arrow** button to either Save or Cancel your selection.

NAVIGATION INSTRUCTIONS

Different Navigation Views



3D TrueView



Map Display

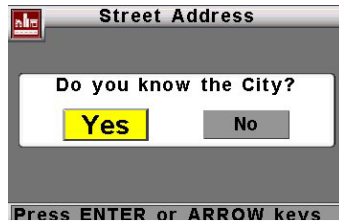
Street Address



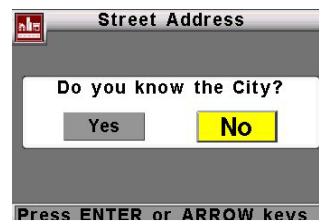
Select the Street Address icon by using the **8-Way Arrow** button.

Press the **ENTER** button.

A Street address can be entered in two ways.



If you know the city name where the street address is located, select Yes by pressing the **ENTER** button.



If you are unsure of the city name where the street address is located, use the left arrow to select No. Press the **ENTER** Button.



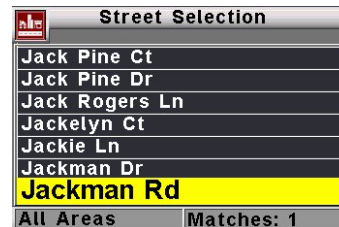
Spell the city name using the Quick Spell Screen, or press the **ENTER** button to view a list of cities.



Spell the street name using the Quick Spell Screen, or press the **ENTER** button to view a list of streets.



Use the **Down Arrow** to select the desired City. Press the **ENTER** button.



Use the **Down Arrow** to select the desired street. Press the **ENTER** button.



Spell the street name using the Quick Spell Screen, or press the **ENTER** button to view a list of streets.



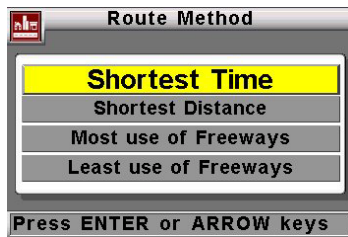
Use the Down Arrow to select the desired street.
Press the **ENTER** button.



Use the **Down Arrow** to select the desired street.
Press the **ENTER** button.



Use the + - buttons to select the correct number, then use the **Right Arrow** to move the cursor to the next number.
Press **ENTER** when the correct address is displayed



The 750NAV allows four routing options. Use the **Down Arrow** to select preferred route method.

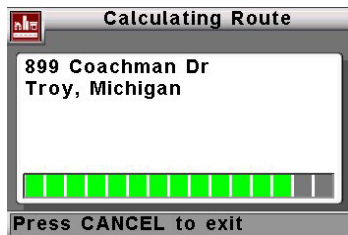
Press the **ENTER** button.

The **Shortest Time** selection is the route that should take the least amount of time to drive.

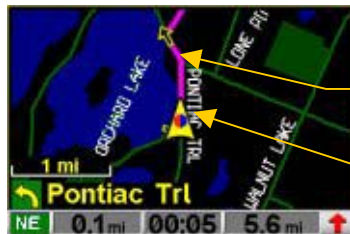
The **Shortest Distance** selection is the most direct route, although it may not be the fastest due to lower speed limits, left turns, or many other factors.

The **Most Use of Freeways** selection will route you using as many freeways as possible.

The **Least Use of Freeways** will route you, using mostly main road and limiting the use of freeways.



Wait while the Magellan 750NAV calculates a route from the present location to the destination entered.



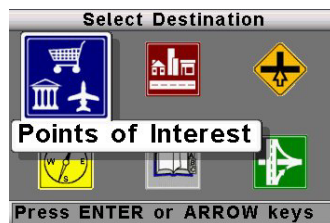
Begin driving by following the arrows on the magenta colored highlighted road and the clear, concise voice directions. The **750NAV** system will tell you when you have arrived at the selected destination.

VEHICLE

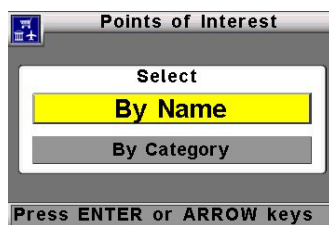
Points of Interest



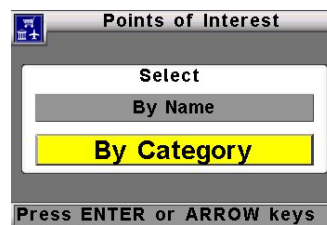
Press the **Left Arrow** button



Press the **ENTER** button



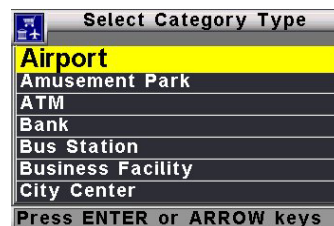
To select by Name.
Press the **ENTER** button



To select by Category use
the **Down Arrow** button.
Press the **ENTER** button



Spell destination name or press
the **ENTER** button for list.



Use the **Down Arrow** to select a
category.
Press the **ENTER** button.

Name of Interest

233 mi
7342 S Stony Island Ave
Chicago, Illinois
Phone: (773)-6433888

1 Chop Suey
1 Chop Suey
1 Potato 2

By Name Matches: 100+

Use the **Down Arrow** to select destination.
Press the **ENTER** button.

Points of Interest

Search

Nearest

List by City
All Areas

Press ENTER or ARROW keys

Use the **Down Arrow** to select Search type.
Press the **ENTER** button.

Airport

A	B	C	J	K	L	S	T	U
D	E	F	M	N	O	V	W	X
G	H	I	P	Q	R	Y	Z	0

More
Space

LIST

1 2 3
4 5 6
7 8 9

Nearest Matches: 100+

Spell out Airport name or press the **ENTER** button for list of Airports.

Airport

6.8 mi
2672 Industrial Row Dr
Troy, Michigan
Phone: (248)-2886100

Troy Executive Airport
Big Beaver Airport
Oakland International Airport

Nearest Matches: 100+

Use the **Down Arrow** to select an Airport.
Press the **ENTER** button.

Route Method

Shortest Time
Shortest Distance
Most use of Freeways
Least use of Freeways

Press ENTER or ARROW keys

Select the Route method for Calculation.

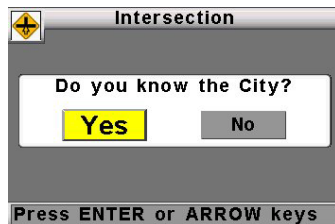
Intersection



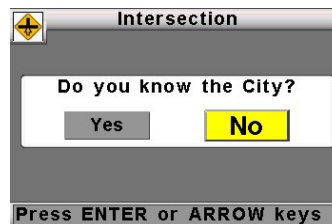
Press the **Right Arrow** button



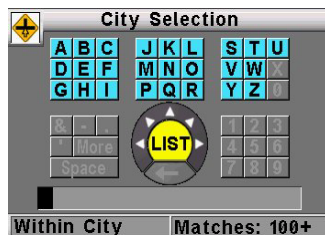
Press the **ENTER** button



If you know the city name where the intersection is located, select Yes by pressing the **ENTER** button.



If you are unsure of the city name where the street address is located, use the **Left Arrow** to select No. Press the **ENTER** button.



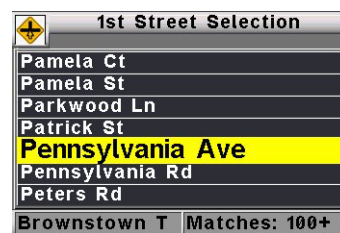
Spell the city name using the Quick Spell Screen, or press the **ENTER** button to view a list of cities.



Spell the street name using the Quick Spell Screen, or press the **ENTER** button to view a list of streets.



Use the **Down Arrow** to select the desired City.
Press the **ENTER** button.



Use the **Down Arrow** to select the desired street.
Press the **ENTER** button.



Spell the street name using the Quick Spell Screen, or press the **ENTER** button to view a list of streets.



Use the **Down Arrow** to select the city where the intersection is located.
Press the **ENTER** button.



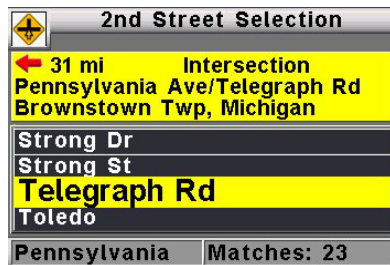
Use the **Down Arrow** to select the first street.
Press the **ENTER** button.



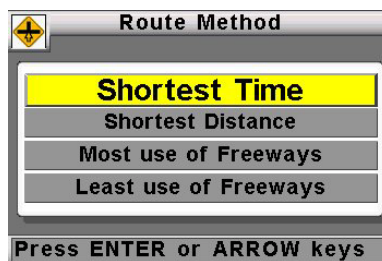
Spell the street name using the Quick Spell Screen, or press the **ENTER** button to view a list of streets.



Spell the street name using the Quick Spell Screen, or press the **ENTER** button to view a list of streets.



Use the **Down Arrow** to select the second street. Press the **ENTER** button.



Select the Route method for Calculation.

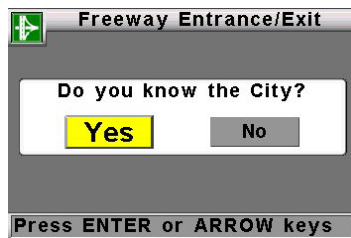
Freeway Entrance / Exit



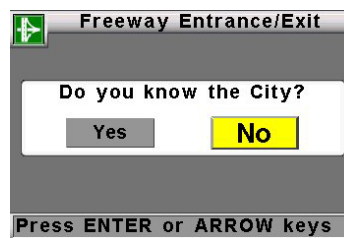
Press the **Arrow** on the lower right of the **8-Way Arrow** button.



Press the **ENTER** button.



If you know the city where the Freeway Entrance or Exit is located, select yes by pressing the **ENTER** button.



If you are unsure of the city name where the Freeway Entrance or Exit is located, use the **Left Arrow** to select No. See page xx to continue.



Spell the city name by using the Quick Spell Screen, or press the **ENTER** button to view a list of cities



Use the **Down Arrow** to select the desired city.

Press the **ENTER** button.

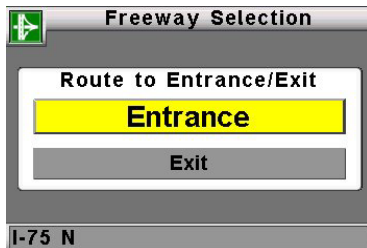


Spell out the name of the Freeway that the Entrance or Exit is on or press the **ENTER** button to select from a list.

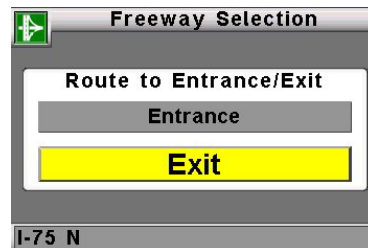


Use the **Down Arrow** to select the desired Freeway.

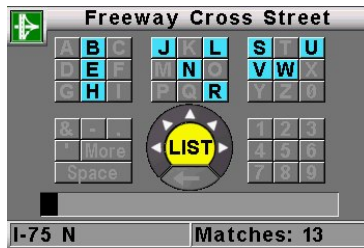
Press the **ENTER** button.



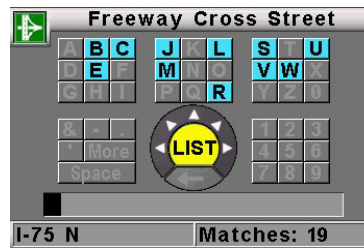
To select Entrance press the **ENTER** button.



To select **Exit** use the **Down Arrow** button.
Press the **ENTER** button.



Spell out Freeway Entrance cross street or press the **ENTER** button to select from list.



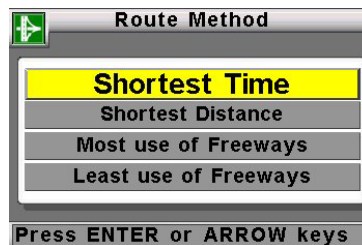
Spell out Freeway Exit cross street or press the **ENTER** button to select from list.



Use the **Down Arrow** to select a Entrance cross street.
Press the **ENTER** button.

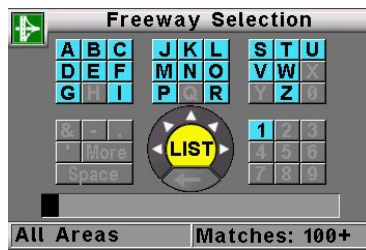


Use the **Down Arrow** to select a Exit cross street.
Press the **ENTER** button.



Select the route method for calculation.

Freeway Entrance/Exit – continued

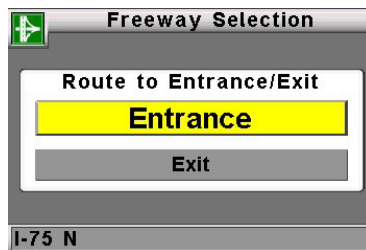


Spell out the Freeway the Entrance or Exit is on or press the **ENTER** button to select from a list.

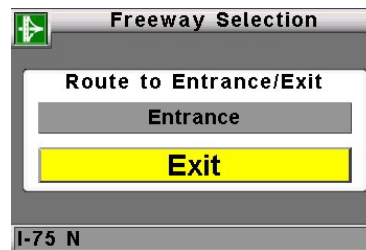


Use the **Down Arrow** to select the desired Freeway.

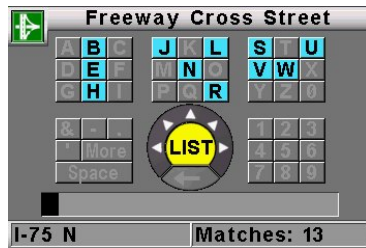
Press the **ENTER** button.



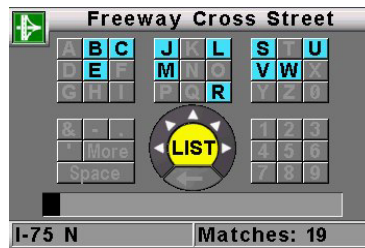
To select Entrance press the **ENTER** button.



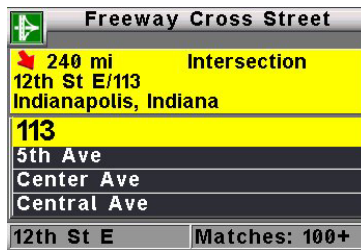
To select Exit use the **Down Arrow** button.
Press the **ENTER** button.



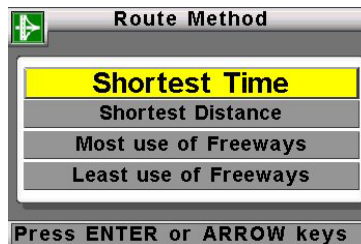
Spell out Freeway Entrance cross street or press the **ENTER** button to select from list.



Spell out Freeway Exit cross street or press the **ENTER** button to select from list.

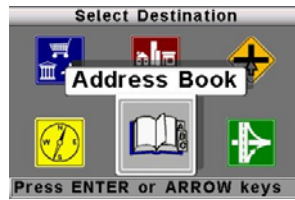


Use the **Down Arrow** to select a Exit cross street.
Press the **ENTER** button.

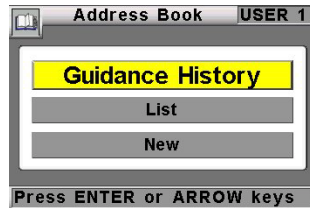


Select the route method for calculation.

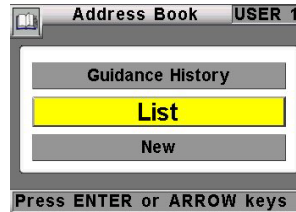
Address Book



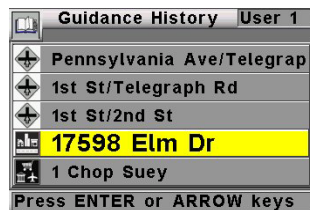
Select the Address Book icon by using the **8-Way Arrow** button.



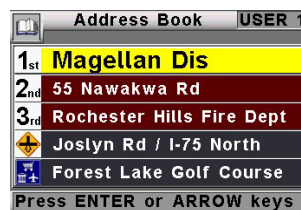
By pressing the ENTER button you can select an address from one of the last ten addresses you routed to.



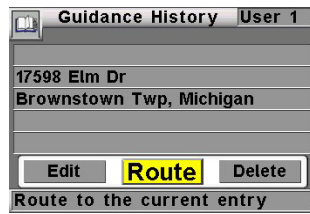
Use the 8-Way Arrow button highlight List then press the ENTER button to select an address from your address book.



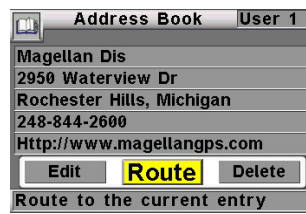
Scroll down to the address you want then press the ENTER button.



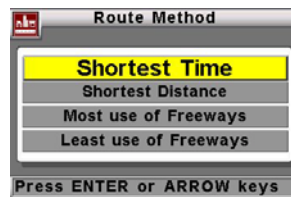
Scroll down to the address you want then press the ENTER button.



Press the ENTER



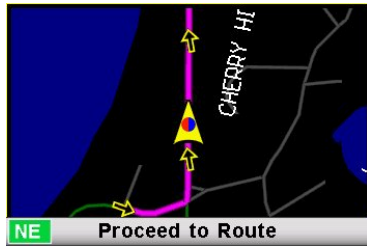
Press the ENTER



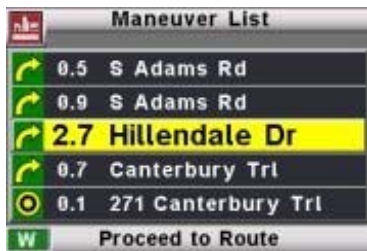
Highlight the route
method you prefer and
press the ENTER button

Route Exclude

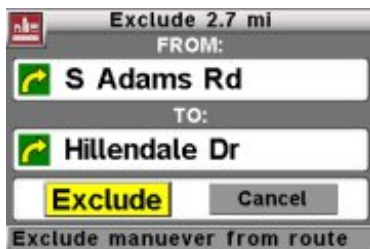
The Route Exclude feature gives the user the ability to exclude roads while in route to a selected destination. This will enable users to bypass traffic jams, construction zones, toll roads and other paths that can make a trip longer than necessary.



To exclude a maneuver from the route press the **VIEW** button while in route guidance mode.

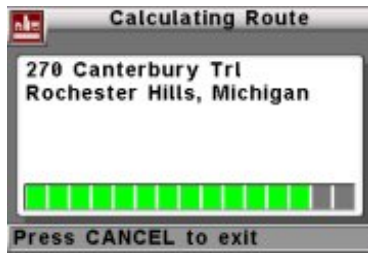


A maneuver list will generate. To exclude a maneuver from the route, highlight the maneuver below the maneuver that is being excluded and press **ENTER**.



The system will display the maneuver the user would like to remove, press **ENTER** to exclude the maneuver.

The system will calculate a new route.



If it is possible to route around the selected maneuver the 750NAV will display a new route excluding the maneuver.

Important note: If the system recalculates the route after using the route exclude feature, the route will revert back to the original route.

TIP

To Route off the road you are currently on just select the maneuver list. Then press the **ENTER** button. The system will recalculate a new route taking you off the road you are currently on as soon as possible.

Off-Road Navigation

Great for off-road enthusiasts, the 750NAV's Off-Road Navigation option allows marking of favorite trails, hunting, and fishing spots. With this option the user can route to points that are not on roads, set landmarks, create trails, and more.

Off-Road is a navigation mode separate from turn by turn navigation and provides the user with the feel of being a separate product. Once Off-Road mode is entered, the unit is functionally transformed into a product, which works similar to Magellan's famous hand held GPS receiver.

Features

Enter navigation points (waypoints) by marking a waypoint using the systems current position, the systems cursor, or by editing a waypoints latitude and longitude coordinates. The maximum number of waypoints the system is capable of saving into memory is 100.

Create routes by inserting waypoints into a route list. The 750NAV, guides the user from point-to-point by visually connecting the waypoints with highlighted lines in the order of the route lists. The navigation system then provides directional instruction to the next waypoint in the route. Waypoint-to-waypoint navigation continues in this fashion progressively through the list of waypoints making up the route. Once the final waypoint in the list is navigated to, the *"you have arrived"* voice prompt is heard followed by 3 double chimes. Also a destination screen will be displayed showing the waypoint name and the Lat/Long coordinates of the waypoint. The maximum number of routes the systems can save into memory is 10 with 25 waypoints max. for each route.

Reverse Route - Calculate a route from the last waypoint in the list to the first waypoint.

Next Waypoint - Navigate to the next waypoint in a route list, allows the user to step through a route list or skip the next waypoint while driving a route.

The Inclinator Sensor shows how aggressive the terrain is by showing graphics with pitch and roll readings of the vehicles current position.

Unlocking Off-Road Navigation

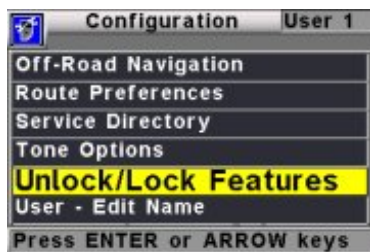
Prior to using Off-Road Navigation feature, it must be unlocked. To unlock Off-Road Navigation, follow these steps.



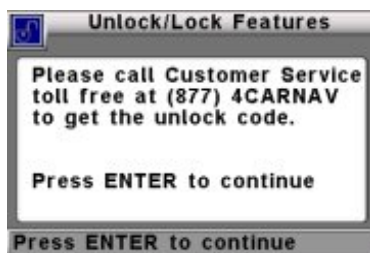
Press the **OPTION** button.



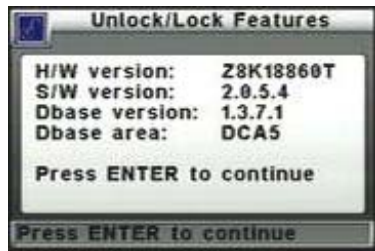
Select the Configuration icon, press **ENTER**.



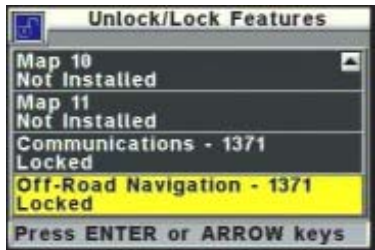
Scroll to Unlock/Lock Features, press **ENTER**.



Call Magellan Customer Service, press **ENTER**.



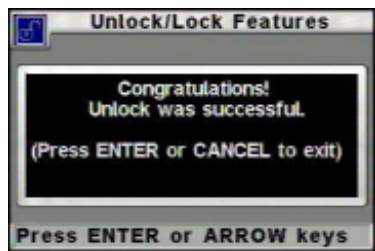
Customer Service will ask for the H/W version to acquire an unlock code, press **ENTER**.



Scroll to Off-Road Navigation, press **ENTER**.



Using the QuickSpell screen enter the unlock code into the system, press **ENTER**



After inputting the correct unlock code into the system, power the system off by pressing the **POWER** button. After proper system shutdown, press the **POWER** button again to turn the navigation system back on.

Off-Road Navigation is now ready for use.

TIP

Anytime the user saves information or settings it is recommended to power down the system by either turning the ignition off or by pressing the **POWER** button to allow a proper shutdown. This *procedure ensures the settings will be saved into the 750NAVS memory.*

Start Using Off-Road Navigation

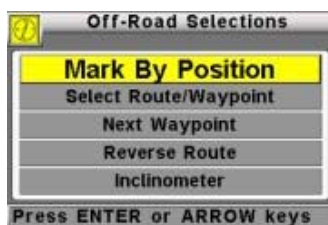
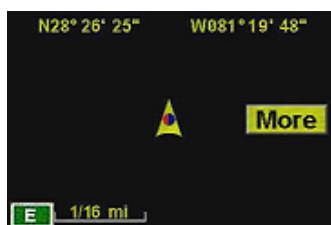


Select the Off-Road Navigation icon from the main menu and press **ENTER**.

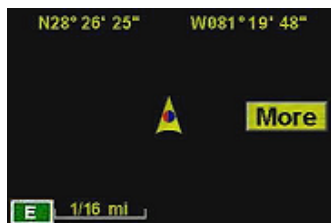
Off-Road Selections Menu

Setting Waypoints, Creating Routes, Next Waypoint, Reverse Route, and Inclinator are all accessed in the Off-Road Selections Menu.

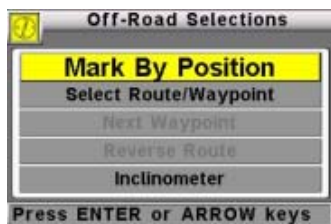
Press **ENTER** from the Map View screen to arrive at the Off-Road Selections Menu.



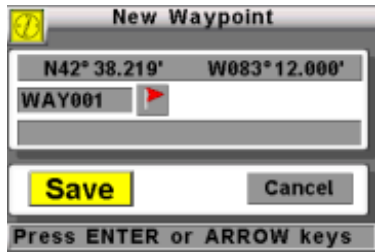
Setting Waypoints



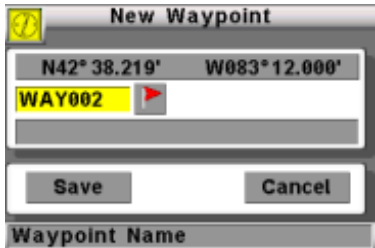
Press **ENTER** from the Map View screen.



To set waypoints from the current position, press **ENTER** on Mark By Position.



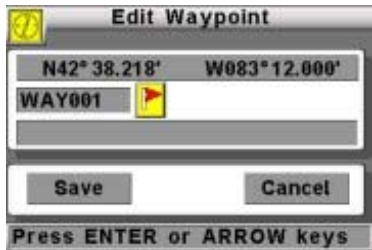
After using the Mark By Position function the user may save the position name as WAY001. The next waypoint saved will be WAY002 and the numbers will increment after each waypoint is saved.



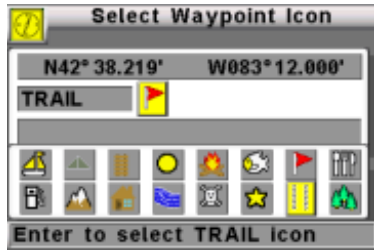
The user may choose to name the waypoint to make it easier to identify the waypoint. To perform this function, highlight the waypoint name and press **ENTER**.



Using the QuickSpell screen, delete the current waypoint name and spell the desired name (6-character max.).



The waypoint icons are a good way to identify characteristics of specific trails (the default waypoint icon is a red flag). To select a new waypoint icon, select the waypoint icon box and press **ENTER**.



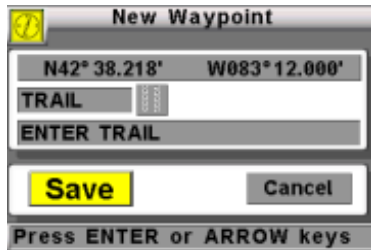
Select the desired waypoint icon and press **ENTER**.



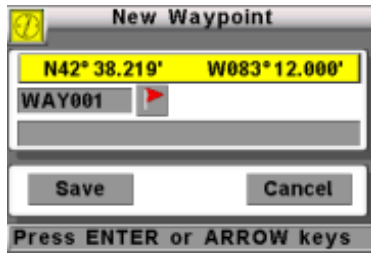
The lower box is for providing a description on a specific waypoint. Highlight the description box and press **ENTER**.



Using the QuickSpell Screen input the desired description (35-character max.) and press **ENTER**.



After making any changes to the waypoint scroll to save and press **ENTER**.



New Waypoint

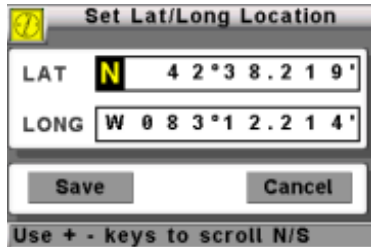
N42° 38.219' W083° 12.000'

WAY001

Save Cancel

Press ENTER or ARROW keys

A waypoint may be saved using Lat/Long coordinates. Highlight the Lat/Long coordinates and press **ENTER**.



Set Lat/Long Location

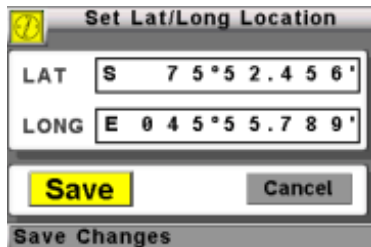
LAT N 4 2 ° 3 8 . 2 1 9 '

LONG W 0 8 3 ° 1 2 . 2 1 4 '

Save Cancel

Use + - keys to scroll N/S

Using the arrow buttons highlight the value you would like to change then use the + - keys to adjust the values to the desired coordinates.



Set Lat/Long Location

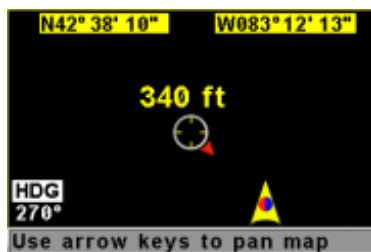
LAT S 7 5 ° 5 2 . 4 5 6 '

LONG E 0 4 5 ° 5 5 . 7 8 9 '

Save Cancel

Save Changes

After the desired Lat/Long coordinates are entered, scroll to save and press **ENTER**.



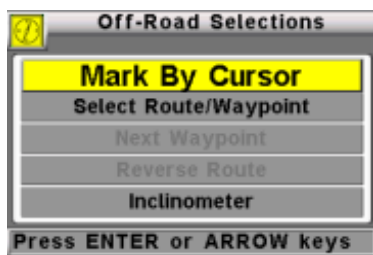
N42° 38' 10" W083° 12' 13"

340 ft

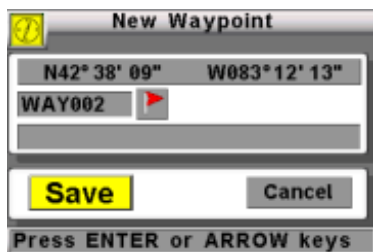
HDG 270°

Use arrow keys to pan map

Waypoints may also be entered by using the Mark By Cursor feature. While viewing the map, use the arrow keys to pan the map display for the desired location and press **ENTER**.

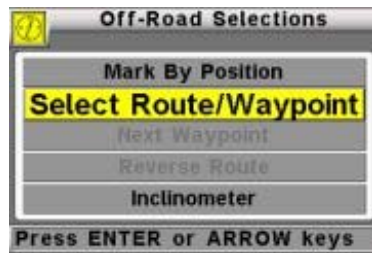


Mark By Cursor will appear on the display then press **ENTER**.

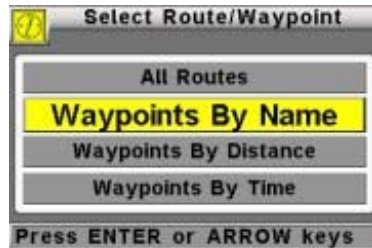


Press **ENTER** again to save the waypoint. Or make any desired changes to the name, icon, or description box before saving.

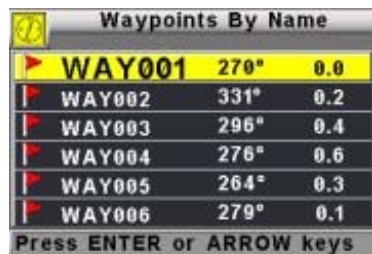
Deleting Waypoints



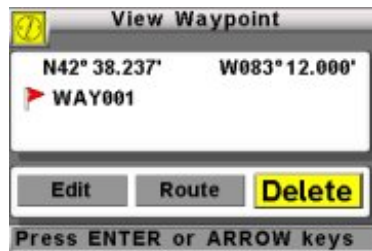
To delete a waypoint from the waypoint list. Press **ENTER** on Select Route/Wavnoint



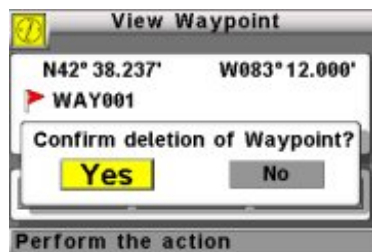
Press **ENTER** on Waypoints By Name, Waypoints By Distance, or Wavpoints Bv Time.



Select the waypoint and Press **ENTER**.

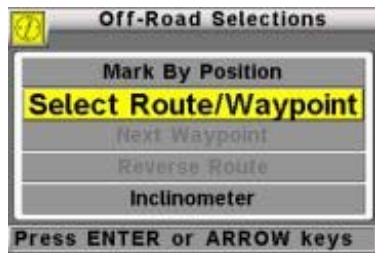


Select Delete and press **ENTER**.

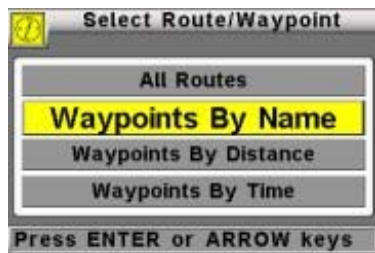


Select Yes and press **ENTER**.

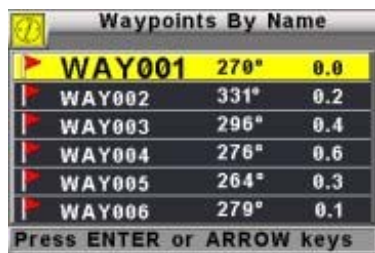
Edit Waypoint



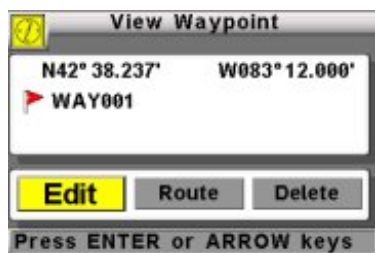
To Edit a waypoint from the waypoint list.
Press **ENTER** on Select Route/Waypoint.



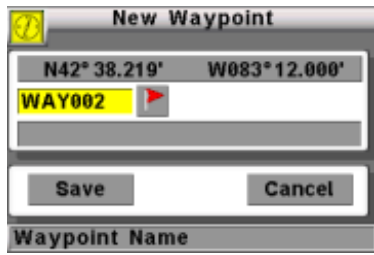
Press **ENTER** on Waypoints By Name,
Waypoints By Distance, or Waypoints By
Time.



Select the waypoint and Press **ENTER**.



Select Edit and press the ENTER button.



New Waypoint

N42° 38.219' W083° 12.000'

WAY002

Save Cancel

Waypoint Name

Highlight the line you want to edit and press the ENTER button.



Edit Waypoint

N42° 38.237' W083° 12.000'

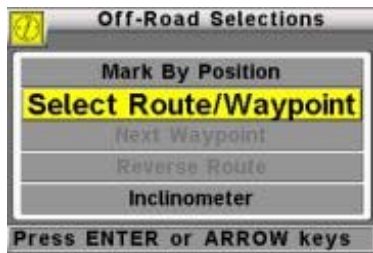
RIVER

Save Cancel

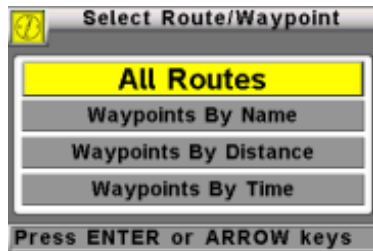
Press ENTER or ARROW keys

After making the desired changes, scroll to Save and press **ENTER**.

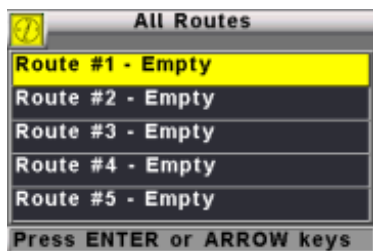
Create a Route



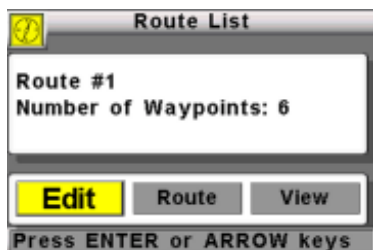
To save waypoints into a route scroll to Select Route/Waypoint and press **ENTER**.



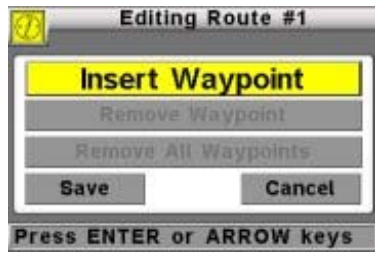
Select All Routes and press **ENTER**.



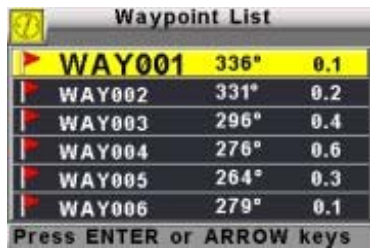
Choose an empty Route and press **ENTER**.



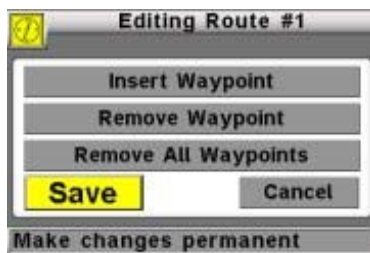
Press **ENTER** on Edit.



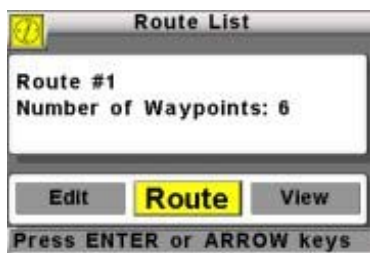
Press **ENTER** on Insert Waypoint.



Press **ENTER** on each waypoint that will make up the route.



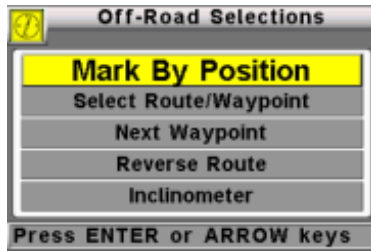
After all the waypoints are inserted for the desired route scroll down to Save and press **ENTER**.



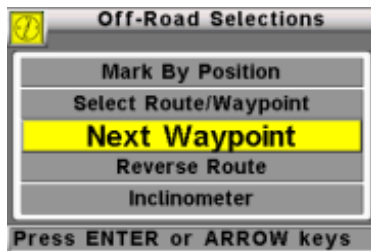
Press **ENTER** on Route to start Route Guidance.



Route guidance screen.



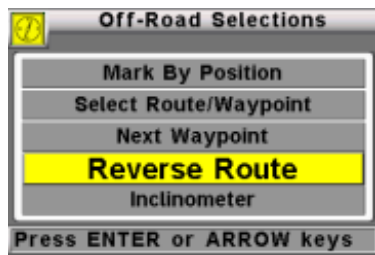
Press **ENTER** from the guidance screen to arrive at the Off-Road Selections menu.



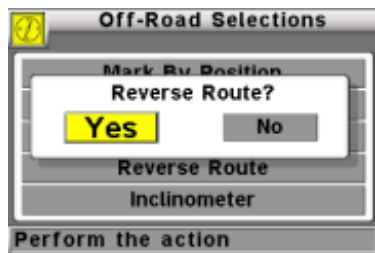
To bypass a waypoint select Next Waypoint and press **ENTER**.



Select Yes and press **ENTER**.



To reverse the route select Reverse Route and press **ENTER**.



Select Yes and press **ENTER**.

Off-Road Navigation Route Guidance

After creating a route the 750NAV guides the user to each waypoint. As the user drives past each waypoint the arrival alarm will chime. The arrival alarm is adjustable between off and 1 mile. Or between off and 1.5 kilometers. See the off-road options section on page 5 to adjust the arrival alarm.

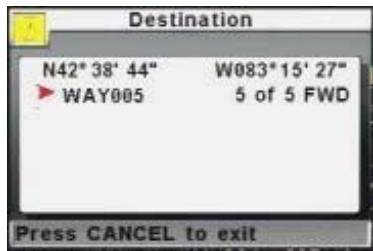


While driving the route an XTE alarm will alert the user with chimes when the user drives off route. See the Advanced feature in the Option Menu on page 5 to adjust the XTE Alarm distance.

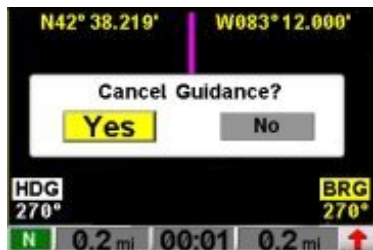


The True-View feature may be accessed while in Route Guidance mode by pressing the **VIEW** key. When using True-View mode simply drive in the direction of the arrow to follow the route. The red triangle shows how far to the left or right the vehicle is off route (works as a visual for the XTE Alarm).

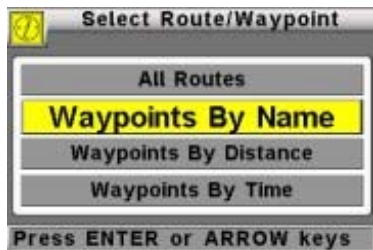




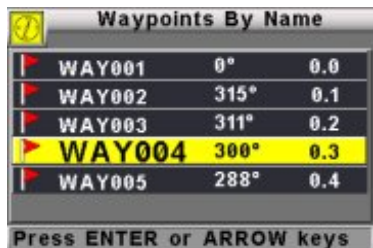
Once the final waypoint in the list is navigated to, the *you have arrived* voice prompt is heard followed by 3 double chimes. Also a destination screen will be displayed showing the final waypoint name and the Lat/Long coordinates of the waypoint.



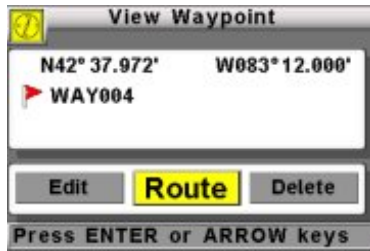
To cancel route guidance, press the **CANCEL** key, move the cursor to yes and press **ENTER**.



If you would like to route to a specific waypoint select Waypoints By Name, Waypoints By distance, or Waypoints By Time and press **ENTER**.



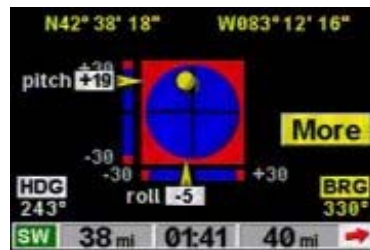
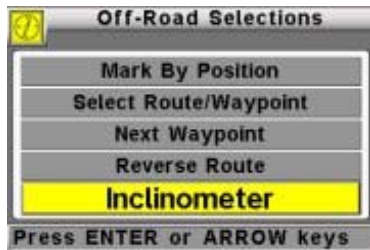
Select a waypoint, Press **ENTER**.



Now select Route and Press **ENTER**.

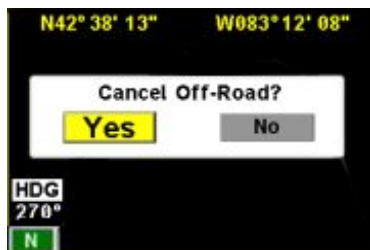
Inclinometer

The inclinometer can be accessed in the Off-Road Selections menu. Press **ENTER** on Inclinometer. The pitch and roll readings of the vehicle will be displayed while driving. This feature is useful when driving across or up steep inclines, letting the driver know how aggressive the terrain is.



Cancel Off-Road Navigation

To cancel Off-Road Navigation press the **CANCEL** key until prompted to Cancel Off-Road, select yes and then **ENTER**. When the system is in route guidance mode the user will have to cancel route guidance before canceling Off-Road.



OPERATIONAL FEATURES AND LIMITATIONS

USING THE MAP PANNING FEATURE

To view areas of road outside the current display area, simply press the **8-WAY ARROW** keys in the desired viewing direction. The map will scroll in the direction that the Arrow keys are pressed. A distance reading from the vehicle's current location to the systems cursor position will also be displayed. This distance is measured in a straight-line between these points, not the distance using the roads.



To Pan the Map Display, use the **8-WAY ARROW** keys.

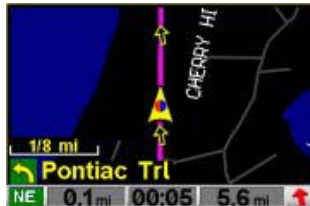
Pressing the **CANCEL** key returns to the normal map display.

Map Zoom

While in the Map Display mode the **+** and **-** keys are used to change the magnification scale from 1/8 to 20 Miles. While viewing the 10 or 20 Mile scale the north up feature will not be active.



+ key zooms out.



- key zooms in.

ELECTRONIC MAP

The Magellan 750NAV has an electronic map of the contiguous United States and Canada stored on a hard drive. The map is divided into 10 separate regions called Map Areas. Along with the purchase of the 750NAV one Map Area is included (see Magellan Map Areas on page xx). Access to Map Areas is controlled by Unlock Codes that are provided when the product is registered, or when additional Map Areas are purchased or rented (see Unlock Features on page xx).

TYPES OF COVERAGE

Detailed Coverage

Available in many metropolitan areas, this coverage provides complete street and address level detail for the area. As well as, an extensive Points of Interest database containing information about businesses, banks, hotels, airports, restaurants, entertainment venues and many other categories.

Inter-town Coverage

Available in less populated areas; this coverage level connects the Detailed Coverage Areas with major roads shown on AAA® State maps. This type of coverage also includes navigating to City Centers and Points of Interest.

Driving Across Map Areas

The Magellan 750NAV is currently not capable of routing outside of the chosen Map Area. The system is can only route to a destination inside of each Map Area.

Why the Map Database is divided into 10 Map Areas?

The contiguous United States and Canada have too much information to store all of the data on a computer hard-drive. The average vehicle owner drives within a hundred-mile radius from their home 99% of the time. To create a route with a navigation system, the computer must perform numerous and complicated calculations in a matter of seconds, virtually impossible if the computer had to sort through the millions of bits of data that make up the U.S. and part of Canada.

MAGELLAN

A light blue elliptical line with a small solid blue dot at its leftmost point, positioned below the word 'MAGELLAN'.

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